

FACULTY OF ENGINEERING

DEPARTMENT OF DESIGN, MANUFACTURING AND ENGINEERING MANAGEMENT

INDUSTRIAL ENGINEERING

Master of Science in Industrial Engineering
Postgraduate Diploma in Industrial Engineering
Postgraduate Certificate in Industrial Engineering

These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

Mode of Study

3. The programmes may be available by full-time or part-time study.

Curriculum

4. All students shall undertake an approved curriculum as follows:
 - i. for the Postgraduate Certificate – no fewer than 60 credits from the lists of taught modules
 - ii. for the Postgraduate Diploma – no fewer than 120 credits from the lists of taught modules
 - iii. for the degree of MSc – no fewer than 180 credits including the DM932 project

Compulsory Modules

| Module Code | Module Title | Level | Credits |
|-------------|--|-------|---------|
| DM918 | People, Organisation and Technology | 5 | 10 |
| DM920 | Strategic Technology Management | 5 | 10 |
| DM927 | Strategic Supply Chain Management | 5 | 10 |
| DM931 | Postgraduate Group Project | 5 | 40 |
| DM935 | Management of Total Quality and Continuous Improvement | 5 | 10 |
| DM941 | Fundamentals of Lean Six Sigma | 5 | 10 |
| DM945 | Systems Thinking and Modelling | 5 | 10 |

| Students for the degree of MSc only: | | | |
|--------------------------------------|---------------------------------|---|----|
| DM932 | Postgraduate Individual Project | 5 | 60 |

Optional Modules

No fewer than 20 credits chosen from:

| Module Code | Module Title | Level | Credits |
|-------------|--|-------|---------|
| DM939 | Digital Manufacturing Concepts | 5 | 10 |
| DM942 | Manufacturing Automation | 5 | 10 |
| DM943 | Sustainable Product Design & Manufacturing | 5 | 10 |
| DM948 | Advanced Materials & Production Technology | 5 | 10 |
| DM981 | Management of Innovation | 5 | 10 |
| EF931 | Project Management | 5 | 10 |
| DM944 | Product Costing & Financial Management | 5 | 10 |

Exceptionally, such other modules totalling no more than 10 credits, as approved by the Programme Leader.

Examination, Progress and Final Assessment

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- The final award will be based on performance in the examinations, coursework, and the DM932 Postgraduate Individual Project where undertaken.

Award

- Degree of MSc:** In order to qualify for the award of the degree of MSc in Industrial Engineering, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the DM932 Postgraduate Individual Project.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Industrial Engineering, a candidate must have accumulated no fewer than 120 credits from the programme curriculum.
- Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Industrial Engineering, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.